

National Transportation Safety Board
Washington, DC 20594

Brief of Accident

Adopted 01/25/1989

FTW87FA208		09/04/1987		BULVERDE, TX		Aircraft Reg No. N807LA		Time (Local): 22:45 CDT	
File No. 1660									
Make/Model: CESSNA / 208						Fatal		Serious	
Engine Make/Model: P&W / PT6A-114						Crew		Minor/None	
Aircraft Damage: Substantial						0		0	
Number of Engines: 1						Pass		1	
Operating Certificate(s): On-demand Air Taxi						0		0	
Name of Carrier: MARTINAIR									
Type of Flight Operation: Non-scheduled; Domestic; Cargo									
Reg. Flight Conducted Under: Part 135: Air Taxi & Commuter									
Last Depart. Point: SAN ANTONIO , TX						Condition of Light: Night/Bright			
Destination: DALLAS , TX						Weather Info Src: Weather Observation Facility			
Airport Proximity: Off Airport/Airstrip						Basic Weather: Visual Conditions			
						Lowest Ceiling: None			
						Visibility: 10.00 SM			
						Wind Dir/Speed: 130 / 005 Kts			
						Temperature (°C): 28			
						Obstr to Vision: None			
						Precipitation: None			
Pilot-in-Command		Age:				Flight Time (Hours)			
Certificate(s)/Rating(s)						Total All Aircraft: 3100			
Airline Transport; Flight Instructor; Multi-engine Land; Single-engine Land						Last 90 Days: 250			
Instrument Ratings						Total Make/Model: 750			
Airplane						Total Instrument Time: 550			

AFTER LEVELING AT 5500', THE STANDBY POWER ANNUNCIATOR LIGHT ILLUMINATED, FOLLOWED BY LOSS OF OIL PRESSURE. THE PLT TURNED BACK TOWARD THE ARPT, BUT THERE WAS A PROGRESSIVE LOSS OF ENG POWER & THE PROP WENT TO A FEATHERED PSN. DRG AN EMERG LANDING AT NIGHT, THE ACFT HIT A POWER LINE & TREES, THEN CRASHED. DRG AN ENG TEARDOWN, DISASSEMBLY OF THE REDUCTION GEARBOX SCAVENGE PUMP REVEALED THAT A RETAINING NUT & TANG WASHER (W/I THE SCAVENGE PUMP) HAD BACKED OFF & LODGED BTN THE SPUR GEARS, WHICH RESULTED IN A SHEARED SCAVENGE PUMP DRIVE SHAFT. IN TURN, THIS RESULTED IN THE LOSS OF OIL PRESSURE & ALLOWED THE PROP TO FEATHER.

Brief of Accident (Continued)

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File No. 1660	09/04/1987	BULVERDE, TX	Aircraft Reg No. N807LA	Time (Local): 22:45 CDT

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: CRUISE - NORMAL

Findings

1. (C) LUBRICATING SYSTEM,OIL SCAVENGE PUMP - LOOSE
2. (C) LUBRICATING SYSTEM,OIL SCAVENGE PUMP - JAMMED
3. (C) LUBRICATING SYSTEM,OIL SCAVENGE PUMP - FAILURE,TOTAL
4. INITIATED

Occurrence #2: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF
Phase of Operation: CRUISE

Findings

5. (C) FLUID,OIL - STARVATION

Occurrence #3: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #4: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: LANDING

Findings

6. (F) LIGHT CONDITION - NIGHT
7. (F) OBJECT - WIRE,TRANSMISSION
8. (F) OBJECT - TREE(S)

Occurrence #5: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings Legend: (C) = Cause, (F) = Factor

The National Transportation Safety Board determines the probable cause(s) of this accident as follows.